

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,231,332 B2  
APPLICATION NO. : 08/889440  
DATED : June 12, 2007  
INVENTOR(S) : Munetaka Takeuchi et al.

Page 1 of 1

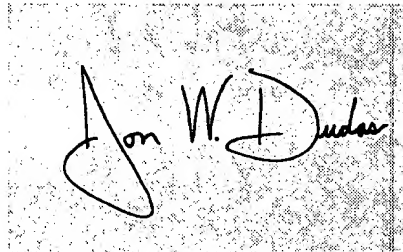
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page item (56), Column 2 (Other Publications), Line 6, change "Electron-Imapct" to --Electron-Impact--.

Column 18, Line 35, after "wherein" delete "p1".

Signed and Sealed this

Twentieth Day of November, 2007

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a light gray, textured background.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*